

Index



special characters

. (dot) format
 for style names, HTML J-6
“ (quotation marks)
 for attributes in XML, HTML N-2
(number sign)
 ID style names identification, HTML J-7
<? delimiter, HTML N-4
<!— tags, HTML J-4

► A

<A>.. tag pair, HTML E-4
 HREF attribute, HTML A-10, HTML C-8
 TARGET attribute, HTML F-8
about.gif file, HTML F-4
absolute links, HTML A-11
absolute positioning, HTML L-2, HTML L-4–5
 using percentages, HTML L-9
active white space, HTML G-2
ActiveX technology, HTML N-11
add-ons, HTML C-14
alert dialog box, HTML H-16–17
alert() method, HTML H-9
aligning
 cell contents, HTML E-2
 text, HTML B-2, HTML B-14–15
Alpha filter effect, HTML M-5
Alt property
 specifying text in floating windows with, HTML K-9
alternate text, HTML G-14
ampersand (&) & character code, HTML AP-6
anchor tag, HTML A-10
<APPLET> tags, HTML N-8–9
Apply method
 for transition filters, HTML M-12
<AREA> tag
 ALT attribute, HTML C-10, HTML C-11
 COORDS attribute, HTML C-11
 HREF attribute, HTML C-11
 SHAPe attribute, HTML C-11
arithmetic operators
 manipulating variables with, HTML H-15
attributes, HTML A-10, HTML AP-9–10
 for <LINK> tags, HTML J-16
 for <OBJECT> tags, HTML K-14
 for <SCRIPT> tags, HTML H-4–5
 XML syntax rules for, HTML N-2
audio files, HTML C-14–15

► B

back end, HTML D-14
back() method, HTML H-9
background color, HTML C-13
background image, HTML E-11
background text
 creating with z-index property, HTML L-10–11

bandwidth, HTML C-14
<BASE> tag, HTML F-8
 TARGET attribute, HTML F-8–9
.. tag pair, HTML B-8–9
blank line before and after paragraphs, HTML A-8
blend transition filter, HTML M-12
Blur filter effect, HTML M-5
<BODY>..</BODY> tag pair, HTML A-7
 ALINK attribute, HTML B-12
 BACKGROUND attribute, HTML C-12
 BGCOLOR attribute, HTML C-13
 LINK attribute, HTML B-12
 VLINK attribute, HTML B-12
boldface text, HTML B-2, HTML B-8, HTML B-9
bootbg.jpg file, HTML C-12
borders and tables, HTML E-2
bound data
 data binding, HTML K-14–15
 manipulating dynamically, HTML K-16–17
Box in transition effect, HTML M-17
Box out transition effect, HTML M-17
braces {}
 in scripts, HTML H-6
brackets []
 in scripts, HTML H-6
broadband technologies, HTML C-3
browser-detection script, HTML J-8–9

 tag, HTML A-8, HTML B-4, HTML B-6
bugs
 common causes of, HTML H-6–7
 defined, HTML H-6
buttons
 deleting content with, HTML K-6–7
<BUTTON> tags, HTML K-6–7

► C

calling functions
 with event handlers, HTML H-12
calling named styles, HTML J-6
caption, HTML E-4
<CAPTION>..</CAPTION> tag pair, HTML E-4
cascading precedence rules, HTML J-2, HTML J-16
Cascading Style Sheets (CSS), HTML J-1–17
 advantages of, HTML I-4
 browser detection with, HTML J-8–9
 changing font color dynamically, HTML J-14–15
 changing font sizes dynamically, HTML J-12–13
 creating classes, HTML J-6–7
 defined, HTML I-4
 displaying XML data in different ways with,
 HTML N-13
 embedded style sheets, HTML J-4–5
 external style sheets, HTML J-16–17
 showing and hiding page elements, HTML J-10–11
 uses of, HTML J-2
Cascading Style Sheets - Positioning (CSS-P)
 absolute positioning with, HTML L-4–5
 combining with scripts, HTML L-2
 creating columns in, HTML L-2
 creating scroll bars with, HTML L-12–13
 cross-browser positioning, HTML L-4–5
 defined, HTML L-2

overlapping screen elements with, HTML L-2
relative positioning with, HTML L-6–7
scaling content to window size, HTML M-6–7
case-sensitivity
 of scripts, HTML H-6
 of XML, HTML N-4
cell phone, HTML G-7
cells
 aligning contents, HTML E-2, HTML E-14
 border spacing, HTML E-8
 different colored backgrounds, HTML F-14
 dimensions, HTML E-12
 formatting contents, HTML E-3
CGI (Common Gateway Interface), HTML D-14
chaining, HTML M-4
changeTextBack function, HTML J-12, HTML J-14
changeText function, HTML J-12, HTML J-14
characters
 formatting, HTML B-8–9
 styles, HTML B-2
checkboxes, HTML D-2, HTML D-8
 labeling, HTML D-9
Checkerboard across transition effect, HTML M-17
Checkerboard down transition effect, HTML M-17
child elements
 in CSS-P, HTML L-4–5
 in XML, HTML N-4–5
Chroma filter effect, HTML M-5
Circle in transition effect, HTML M-17
Circle out transition effect, HTML M-17
classes
 creating, HTML J-6–7
 defined, HTML J-6
CLASSID attribute
 for <OBJECT> tags, HTML K-14
class style names, HTML J-6–7
clearUp() function, HTML H-12–13
client-side scripts, HTML I-4. *See also* scripts
clip property, HTML L-13
clip regions, HTML L-13
close() method, HTML H-9
code-borrowing etiquette, HTML I-15
collapsible lists, HTML I-14–15
color
 of fonts, changing dynamically, HTML J-14–15
color names, HTML AP-16–17
colors
 complementary, HTML G-2
 differentiation not required, HTML G-14
 hexadecimal equivalents, HTML B-12
 hexadecimal triplets, HTML AP-11–12
 names, HTML AP-11–12
 text, HTML B-13
columns, HTML E-2
 creating with height and width properties, HTML L-9
 creating with positioning, HTML L-2
 sizing with percentages, HTML L-9
 spanning, HTML E-6
.com domain names, HTML AP-2
comments, HTML D-4, HTML F-16
 in scripts, HTML H-7
comment <!> tag, HTML D-4

Index

conditionals
 creating, HTML H-16–17
 defined, HTML H-16
 testing multiple conditions with, HTML H-17
construction.htm file, HTML A-10, HTML C-8
content. *See also* dynamic content; elements (XML); text
 deleting dynamically, HTML K-6–7
 entering into XML documents, HTML N-6–7
 inserting dynamically, HTML K-4–5
CONTENT property
 for transitions between pages, HTML M-16
countHeaders function, HTML K-4–5
cross-browser code, HTML J-8–9
 error suppression in, HTML K-17
cross-browser positioning, HTML L-5
cross-platform issues, HTML G-6, HTML I-10
CSS (Cascading Style Sheets), HTML F-3, HTML G-9
custom data definitions, HTML N-1
custom vocabularies, in XML, HTML N-3
customizing
 fonts, HTML B-12
 hyperlinks, HTML B-12
 linked text, HTML B-12
 ordered list numbering, HTML B-5

► D

data-awareness, HTML I-2, HTML I-6
databases
 linking to the Web via data binding, HTML K-14–15
 loading and displaying records from, HTML I-6–7
data binding, HTML K-14–15
 defined, HTML I-6, HTML K-2
 HTML attributes, HTML N-11
 manipulating bound data dynamically, HTML K-16–17
DATAFLD attribute, HTML N-11
DATAFORMATAS attribute, HTML N-11
DATAPAGESIZE attribute, HTML N-11
DATASRC attribute, HTML N-11
 for <TABLE> tags, HTML K-14
<DD> tag, HTML B-7
debugging
 defined, HTML H-6
 scripts, HTML H-4, HTML H-6–7
definition lists, HTML B-7
designing Web pages
 fonts, HTML G-8
 graphics, HTML G-10
 locating resources, HTML G-12
 Web pages for handheld device users, HTML G-7
 Web-specific issues, HTML G-4
design principles, HTML G-2
DHTML. *See also* dynamic content; dynamic style; positioning
 advanced features, HTML M-1–17
 animation, HTML M-2, HTML M-8–11
 Cascading Style Sheets (CSS), HTML J-1–17
 data-awareness, HTML I-2–3
 defined, HTML I-1, HTML I-4
 displaying XML data in different ways with, HTML N-13
 dynamic content, HTML I-2–3
 dynamic style, HTML I-2–3
 examples of, HTML I-6–7
 filters, HTML M-2, HTML M-4–5
 object model, HTML I-8–9
 overlapping features, HTML K-3
 overuse of dynamic features, HTML M-2
 positioning, HTML I-2–3, HTML L-1–17

presentation effects, HTML M-2
researching code architecture, HTML I-14–15
resources, HTML I-13, HTML I-16–17
scaling, HTML M-6–7
slideshows, HTML M-14–15
transitions, HTML M-2, HTML M-12–13
transitions between pages, HTML M-16–17
W3C standards for, HTML I-10, HTML J-9
DHTML clock function, HTML K-8
DHTML Object Model, HTML I-8, HTML N-8
DHTML page design. *See also* Web page design
 code-borrowing etiquette, HTML I-15
 planning, HTML I-12–13
 researching code architecture, HTML I-14–15
 resources for, HTML I-13
dialog boxes
 alert, HTML H-16–17
 script-generated, HTML H-4–5
display mode
 scaling and, HTML M-6
display resolution, HTML G-4
dividing frames, HTML F-6
<DIV> tags, HTML J-2, HTML J-4, HTML J-6
 applying filters with, HTML M-4
<DL>..</DL> tag pair, HTML B-7
Document Object Model (DOM), HTML I-8–9
document objects
 defined, HTML I-8
 elements in, HTML I-8
 methods, HTML H-9
Document Type Definition (DTD), HTML N-5
documents, putting on Web, HTML AP-2
DOM. *See* Document Object Model (DOM)
domain names, HTML AP-2
dot ()
 identifying style name with, HTML J-6
dot syntax, HTML H-8
doTrans() function, HTML M-12
download time, HTML C-3
dragging
 images, HTML L-16–17
 text, HTML L-16
drop-down lists, HTML D-10
Drop shadow filter effect, HTML M-5
<DT> tag, HTML B-7
DTD (Document Type Definition), HTML N-5
dynamic content, HTML K-1–17
 advanced content functions, HTML K-10–11
 data binding, HTML K-14–15
 defined, HTML I-2, HTML K-1
 deleting, HTML K-6–7
 designing for, HTML I-12–13
 examples, HTML I-6–7
 inserting, HTML K-4–5
 manipulating bound data, HTML K-16–17
 modifying, HTML K-8–9
 replacing graphics dynamically, HTML K-12–13
 uses of, HTML K-2–3
Dynamic HTML. *See* DHTML
dynamic style. *See also* Cascading Style Sheets (CSS)
 defined, HTML I-2
 examples, HTML I-6–7

► E

editing Web pages, HTML A-8
element IDs
 defining styles for, HTML J-7
element sets, in XML, HTML N-3

elements
 common format, HTML G-18
 identifier, HTML AP-6
 positioning, HTML E-16
 positioning with tables, HTML E-2
elements (page). *See* page elements
elements (XML)
 adding to XML documents, HTML N-14–15
 defined, HTML N-2
 defining, HTML N-4–5
 empty, HTML N-2
 hierarchical structure of, HTML N-4–5
 nesting, HTML N-2
 ranking, HTML N-4
 start and end tags, HTML N-2
e-mail, outgoing messages, HTML A-10
.. tag pair, HTML B-8–9
embedded style
 example, HTML J-2–3
 uses of, HTML J-2
embedded style sheets
 creating, HTML J-4–5
 defined, HTML J-2, HTML J-4
 instructing non-compatible browsers to ignore, HTML J-4
emphasized text, HTML B-9
empty elements, HTML N-2
error suppression
 for incompatible browsers, HTML K-17
event handlers
 calling functions with, HTML H-12
 creating slideshows with, HTML M-14–15
 defined, HTML H-10
 in JavaScript, HTML H-10–11
events, HTML H-10
expandable outlines, HTML J-10–11
expand function, HTML J-10–11
expanding table of contents, HTML I-14–15
eXtensible Markup Language (XML). *See* XML
Extensible Style Language (XSL). *See* XSL
external files
 linking Web pages to, HTML I-6
external scripts
 linking to, HTML H-5
external style
 example, HTML J-2–3
 uses of, HTML J-2
external style sheets, HTML J-16–17
 defined, HTML J-2

► F

FAQ documents, HTML J-4
fields, HTML D-2
files
 opening, HTML A-10
 small size of, HTML G-4
filters. *See also* transitions
 changing appearance of text and graphics with, HTML M-4–5
 combining, HTML M-4
 defined, HTML M-2
 transitions, HTML M-12–13
Flash animation, HTML C-14–15
FlipH filter effect, HTML M-5
FlipV filter effect, HTML M-5
floating windows, displaying text in, HTML K-9
float property, HTML L-14
.. tag pair, HTML B-10, HTML E-3, HTML E-16

COLOR attribute, HTML B-12–13
 FACE attribute, HTML B-12–13
 SIZE attribute, HTML B-12–13
 fonts, HTML B-2
 changing, HTML B-13
 changing color dynamically, HTML J-14–15
 changing size dynamically, HTML J-12–13
 color, HTML G-8
 complementary, HTML G-2
 customizing, HTML B-12
 for embedded style sheets, HTML J-4
 limiting, HTML G-8
 sans serif, HTML B-10
 serif, HTML B-10
 form objects
 methods, HTML H-9
 formatting
 cell contents, HTML E-3
 characters, HTML B-8–9
 frame borders, HTML F-10
 logical, HTML G-15
 physical, HTML G-15
 table borders, HTML E-8
 text, HTML A-2, HTML B-1
 text with style sheets, HTML G-9
 XML data in HTML documents, HTML N-10–11
<FORM>..</FORM> tag pair, HTML D-4
 ACTION attribute, HTML D-15
 ENCTYPE attribute, HTML D-15
 METHOD attribute, HTML D-15
 NAME attribute, HTML D-4–5
 forms, HTML D-1
 back end, HTML D-14
 checkboxes, HTML D-2, HTML D-8
 clearing user input in, function for, HTML H-12–13
 fields, HTML D-2, HTML D-4
 front end, HTML D-14
 labels, HTML D-2
 multi-line text areas, HTML D-2
 optional fields, HTML D-3
 order processing and confirmation, HTML D-14
 planning, HTML D-2
 privacy, HTML D-3
 prompting users to fill in blank fields, HTML H-16–17
 pull-down menus, HTML D-2, HTML D-10
 push buttons, HTML D-2, HTML D-12
 radio buttons, HTML D-2, HTML D-6–7
 reset button, HTML D-12
 script for validating, HTML H-4–5
 scroll boxes, HTML D-2
 single-line text box, HTML D-2
 submit button, HTML D-12, HTML D-14
 submitting information, HTML D-14
 text entry fields, HTML D-4
 verifying fields have been filled in, HTML H-16–17
 forward() method, HTML H-9
 fourth generation Web browsers, HTML I-10
 frame objects, HTML I-8
 methods, HTML H-9
 frames, HTML F-1–2
 alternate content, HTML F-7
 dividing, HTML F-6
 formatting borders, HTML F-10
 graphic or color background, HTML F-14
 strengths and weaknesses, HTML F-13
 targeting links, HTML F-8
 frameset, HTML F-6
<FRAMESET>..</FRAMESET> tag pair
 BORDER attribute, HTML F-10–11

BORDERCOLOR, HTML F-10–11
 COLS attribute, HTML F-6–7
 FRAMEBORDER attribute, HTML F-6–7,
 HTML F-10–11
 ROWS attribute, HTML F-6–7
<FRAME> tag, HTML F-14
 MARGINHEIGHT attribute, HTML F-10–11
 MARGINWIDTH attribute, HTML F-10–11
 NAME attribute, HTML F-6–7
 NORSIZE attribute, HTML F-10–11
 SCROLLING attribute, HTML F-10–11
 SRC attribute, HTML F-6–7
 front end, HTML D-14
 FTP (File Transfer Protocol), HTML AP-2
 functions
 calling with event handlers, HTML H-12
 creating, HTML H-12–13
 defined, HTML H-12
 null value assigned by, HTML H-12

G

gamma settings, HTML G-6
 GIF animated images, HTML M-11
 GIF file format, HTML C-2–3
 global ID styles, HTML J-7
 Glow filter effect, HTML M-5
 Google submission form, HTML AP-4
 graphic images
 animated GIFs, HTML M-11
 draggable, HTML L-16–17
 modifying appearance of, with filters, HTML M-4–5
 replacing dynamically, HTML K-12–13
 graphics, HTML A-2, HTML C-1
 alternate text, HTML G-14
 border, HTML C-8
 download time, HTML C-3
 effective use of, HTML G-10
 file formats, HTML C-2–3
 gamma settings, HTML G-6
 GIF file format, HTML C-2–3
 as hyperlinks, HTML C-8
 inserting in Web page, HTML C-4
 JPG file format, HTML C-2–3
 limiting, HTML G-10
 planning usage, HTML C-2
 PNG file format, HTML C-2–3
 as push button, HTML D-13
 spacing, HTML C-8
 specifying size, HTML C-6
 tiling, HTML C-12
 Grayscale filter effect, HTML M-5
 greater than (@gt;) character code, HTML AP-6
 grids, HTML F-2

H

<H1>..</H1> tag pair, HTML A-9
 ALIGN attribute, HTML B-15
<H2>..</H2> tag pair, HTML A-9
<H3>..</H3> tag pair, HTML A-9
<H4>..</H4> tag pair, HTML A-9
<H5>..</H5> tag pair, HTML A-9
<H6>..</H6> tag pair, HTML A-9
 hand-coding tags, HTML A-5
 hang problem
 Web browser incompatibility and, HTML I-10,
 HTML J-9
 header, HTML E-4
<HEAD>..</HEAD> tag pair, HTML A-7
 headings, HTML A-8–9

height property
 animation effects using, HTML M-10
 in CSS-P, HTML L-8–9
 hexadecimal equivalents, HTML B-12
 hexadecimals, HTML B-12
 hierarchical menus, HTML I-12–13
 hierarchical structures
 in XML, HTML N-4–5
 high-bandwidth Internet connections, HTML C-14
 history objects, HTML I-8
 methods, HTML H-9
 home pages, limiting length, HTML G-4
 Horizontal blinds transition effect, HTML M-17
 horizontal navigation bar, HTML F-5
 hot spots, HTML C-10–11
 HTM B-1.htm file, HTML B-4
 HTM C-1.htm file, HTML C-4
 HTM C-2.htm file, HTML C-8
 HTM C-3.txt file, HTML C-10
 HTM D-1.htm file, HTML D-4
 HTM E-1.txt file, HTML E-4
 HTM E-2.htm file, HTML E-4
 HTM F-1.htm file, HTML E-4
 HTM F-2.htm file, HTML F-12
 .htm file extension, HTML A-6
 HTM G-1.htm file, HTML G-8
 HTML (Hypertext Markup Language), HTML A-1–2
 common tasks, HTML AP-8
 dynamic (*See* DHTML)
 headings, HTML A-9
 name attribute, HTML AP-6
 nesting tags, HTML AP-6
 physical formatting *versus* logical formatting,
 HTML G-15
 quotation marks around attribute values, HTML AP-6
 static, HTML I-2
 tag reference, HTML AP-9–15
 uppercase tags and attribute names, HTML AP-6
 use of widely interpretable, HTML G-4
 Web browsers, HTML G-6
 HTML code, HTML A-12
 HTML Compendium Web site, HTML AP-9
 HTML documents, HTML A-2
 binding XML data to, HTML N-8–9
 body area, HTML A-7
 changing XML data view with, HTML N-16–17
 creation of, HTML A-6
 displaying XML data in, HTML N-12–13
 formatting XML data in, HTML N-10–11
 head area, HTML A-7
 identifying, HTML A-7
 planning, HTML A-4
 printing, HTML A-12
 putting on Web, HTML AP-2
 structuring tags, HTML A-4
 text editors, HTML A-5
 title, HTML A-7
 verifying hyperlinks, HTML AP-2
 word processors, HTML A-5
 HTML extended character set, HTML AP-13–16
 HTML files, HTML A-2
 HTML tags. *See* tags
<HTML>..</HTML> tag pair, HTML A-6–7
 http-equiv property, HTML M-16
 hyperlinks, HTML A-2, HTML A-10–11
 absolute, HTML A-11
 color differentiation not required, HTML G-14
 customizing, HTML B-12
 describing target, HTML G-16

Index

describing Web page contents, HTML G-14

frames, HTML F-8

global settings, HTML F-8

graphics, HTML C-8

relative, HTML A-11

testing, HTML A-4

verifying, HTML AP-2

HyperText Markup Language. *See* HTML

► I

IBM-compatible PCs, HTML G-6

ID property, HTML H-9

ID styles

 creating, HTML J-7

 global, HTML J-7

 names, HTML J-7

<I>..</I> tag pair, HTML B-8, HTML B-9

image maps, HTML C-10, HTML C-11

images. *See* graphics

 tag, HTML C-4, HTML C-8, HTML E-4, HTML E-16

 ALIGN attribute, HTML C-4–5

 ALT attribute, HTML C-5–7

 BORDER attribute, HTML C-8

 HEIGHT attribute, HTML C-5–6

 HSPACE attribute, HTML C-8

 SRC attribute, HTML C-4–5

 text, HTML C-4

 USEMAP attribute, HTML C-10

 VSPACE attribute, HTML C-8

 WIDTH attribute, HTML C-5–6

improved compression, HTML C-14

inline images. *See also* graphic images

inline style

 example, HTML J-2–3

 uses of, HTML J-2

innerHTML property, HTML K-8, HTML K-10

<INPUT> tag, HTML D-4, HTML D-12

 ALT attribute, HTML D-13

 CHECKED attribute, HTML D-6–8

 MAXLENGTH attribute, HTML D-5

 NAME attribute, HTML D-6–7, HTML D-12

 SIZE attribute, HTML D-4–5

 TYPE attribute, HTML D-5, HTML D-7–8,

 HTML D-12–13

 VALUE attribute, HTML D-6–8, HTML D-12–13

Internet Explorer, HTML A-4, HTML A-12

Invert filter effect, HTML M-5

ISO Latin-1 Character set, HTML AP-13–16

ISPs (Internet Service Providers), HTML AP-2

italic text, HTML B-2, HTML B-8–9

► J

Java applets, HTML N-8

JavaScript. *See also* scripts

 browser-detection script, HTML J-8–9

 case-sensitivity of, HTML H-6

 creating scripts using, HTML H-4–5

 event handlers, HTML H-10–11

 methods in, HTML H-8–9

 objects in, HTML H-8–9

 uses of, HTML H-3

JavaScript object reference, AP-22–31

JavaScript operators, HTML AP-32

Java VM (Virtual Machine), HTML N-12

JScript, HTML H-3

.jpg file extension, HTML C-2

JPG file format, HTML C-2–3

JScript, HTML H-3

► K

keywords, HTML AP-4

► L

labels, HTML D-2

LANGUAGE attribute

 for <SCRIPT> tags, HTML H-4–5

layers

 defined, HTML L-10

 stacking screen elements with, HTML L-10–11

<LAYER> tags, HTML I-5

layout tools, HTML F-2

left property

 animation effects using, HTML M-10

 specifying element position with, HTML L-4–5

less than (@lt) < character code, HTML AP-6

Light filter effect, HTML M-5

line break, HTML A-8

linked style, HTML J-2. *See also* external style

links. *See* hyperlinks

 to external scripts, HTML H-5

<LINK> tags

 in external style sheets, HTML J-16

 optional tag, HTML B-4

lists, HTML A-2, HTML B-2

 collapsible, HTML I-14–15

 expanding, HTML J-10–11

 tag, HTML B-4–7

location objects

 defined, HTML I-8

 methods, HTML H-9

► M

Macintosh, HTML G-6

main.htm file, HTML F-6

<MAP>..</MAP> tag pair, HTML C-10–11

 NAME attribute, HTML C-11

Mask filter effect, HTML M-5

menus

 hierarchical, HTML I-12–13

messages

 displaying in status bar, with JavaScript event

 handlers, HTML H-10–11

<META> tag, HTML AP-4

META tags

 for interpage transitions, HTML M-16–17

methods, HTML H-8–9

Microsoft Internet Explorer. *See also* Web browsers

 browser detection, HTML J-8–9

 cycling text in, HTML K-10

 DHTML code and, HTML I-10

 displaying XML data in, HTML N-12–13

 Document Object Model (DOM), HTML I-8–9

 dynamic font size in, HTML J-12

 filters, HTML M-4–5

 floating windows in, HTML K-9

 positioning in, HTML L-4–5

 proprietary features, HTML I-5, HTML I-6

 scaling, HTML M-6–7

 scripting compatibilities, HTML H-3

 transitions between pages in, HTML M-16–17

 transitions in, HTML AP 39–41, HTML M-12–13

Microsoft VM for Java, HTML N-12

Microsoft XSL ActiveX control, HTML N-11

monitors

 gamma settings, HTML G-6

 resolution, HTML G-4, HTML G-6

multi-line text areas, HTML D-2

multimedia, HTML A-2, HTML C-14–15

 alternate text, HTML G-14

multiple conditions

 testing, HTML H-17

► N

named styles, HTML J-6

names

 for objects, HTML H-9

native format, HTML A-5

navigating

 Web pages, HTML A-10

 Web sites, HTML F-2

navigation bar, HTML F-2

navigator objects, HTML I-8

nested tables, HTML F-12

nested XML structure, HTML N-2, HTML N-4–5

Netscape Navigator, HTML A-4

 browser detection, HTML J-8–9

 customizing information printed, HTML A-12

 DHTML code and, HTML I-10

 Document Object Model (DOM), HTML I-8

 dynamic font size in, HTML J-12

 floating windows in, HTML K-9

 graphic dimensions, HTML C-6

 Header and Footer sections, HTML A-12

 positioning in, HTML L-4–5

 proprietary features, HTML I-5

 scripting compatibilities, HTML H-3

 scrollbars in, HTML L-14

 networks and opening files, HTML A-10

 Nielsen, Jakob, HTML G-18

<NOFRAMES>..</NOFRAMES> tag pair, HTML F-6–7

nomad-a.htm file, HTML A-6, HTML A-8, HTML A-10

nomad-b.htm file, HTML B-4

nomad-c.htm file, HTML C-4

nomad-e.htm file, HTML E-4

nomad-f2.htm file, HTML F-12

Notepad, HTML A-5, HTML A-6

null value

 assigned by functions, HTML H-12

number sign (#)

 identifying ID style names with, HTML J-7

► O

object hierarchy, HTML I-8–9

 dot syntax for, HTML H-8

 in JavaScript, HTML H-8

objects, HTML I-8

 defined, HTML H-8

 naming, HTML H-9

<OBJECT> tags, HTML K-14–15

.. tag pair, HTML B-4, HTML B-5

 START attribute, HTML B-5

 TYPE attribute, HTML B-5

onAbort event handler, HTML H-11

onBlur event handler, HTML H-11

onChange event handler, HTML H-11

onClick event handler, HTML H-11, HTML K-6, HTML K-8

onError event handler, HTML H-11

onFocus event handler, HTML H-11

onLoad event handler, HTML H-11, HTML M-8

onMouseOut event handler, HTML H-10–11, HTML K-12

 HTML K-12

onSelect event handler, HTML H-11

onSubmit event handler, HTML H-11

onUnload event handler, HTML H-11

opening files, HTML A-10

<OPTION> tag
 SELECTED attribute, HTML D-11
 VALUE attribute, HTML D-11
 ordered lists, HTML B-2, HTML B-4–5
 order processing and confirmation, HTML D-14
 outerHTML property, HTML K-6
 outlines
 expandable, HTML J-10–11
 overflow property, HTML L-12–13
 overlapping screen elements
 with positioning, HTML L-2

P

page elements. *See also* elements (XML); text
 adjusting to browser window size, HTML M-6–7
 animating position of, HTML M-8–9
 controlling visibility of, with clip property,
 HTML L-13
 customized, inserting dynamically, HTML K-4–5
 cycling through, HTML K-10–11
 modifying appearance of, with filters, HTML M-2,
 HTML M-4–5
 showing and hiding, HTML J-10–11
 sizing manually, HTML L-8–9
 sizing relative to parent window, HTML L-9
 stacking, HTML L-10–11
 page layout. *See also* DHTML page design; Web page
 design
 with positioning, HTML L-2
 paragraphs
 blank line before and after, HTML A-8
 limiting length, HTML G-4
 PARAM attribute
 for <OBJECT> tags, HTML K-14
 <PARAM> tags, HTML N-8–9
 parent elements
 in CSS-P, HTML L-4–5
 in XML, HTML N-4–5
 parentheses ()
 in scripts, HTML H-6
 passive white space, HTML G-2
 PCs, HTML G-6
 PDAs (personal digital assistants), HTML G-7
 percentage measurements
 positioning and sizing using, HTML L-9
 scaling by, HTML M-7
 period ()
 identifying style name with, HTML J-6
 physical formatting *versus* logical formatting,
 HTML G-15
 pipe character (|), HTML F-5
 pixel measurements
 positioning using, HTML L-4
 placeholder, HTML A-10
 plain text editor, HTML A-6
 platforms, HTML G-6
 cross-platform issues, HTML I-10
 Play method
 for transition filters, HTML M-12
 PNG file format, HTML C-2–3
 pointing
 changing elements in response to, HTML K-2
 changing graphics in response to, HTML K-12–13
 text changes in response to, HTML J-12
 position attribute, HTML L-2
 positioning, HTML L-1–17
 absolute, HTML L-2, HTML L-4–5, HTML L-9
 advanced functions, HTML L-16–17

animation created with, HTML L-2, HTML M-2,
 HTML M-8–9
 columns created with, HTML L-2
 cross-browser, HTML L-5
 defined, HTML I-2–3, HTML L-1, HTML L-2
 examples, HTML I-6–7
 overlapping screen elements with, HTML L-2
 relative, HTML L-2, HTML L-6–7, HTML L-9
 scripted features, HTML L-2
 scroll bars, HTML L-12–13
 sidebars, HTML L-14–15
 specifying dimensions with, HTML L-8–9
 stacking screen elements with, HTML L-10–11
 uses of, HTML L-2
 using percentages, HTML L-9
 using pixels, HTML L-4
 presentation effects, HTML M-2
 previewing Web pages, HTML A-4, HTML A-8
 printing
 HTML code, HTML A-12
 HTML documents, HTML A-12
 privacy, HTML D-3
 prolog, HTML N-4–5
 prompt() method, HTML H-9
 properties, HTML H-8
 proportion
 in scaling, HTML M-6, HTML M-7
 proprietary features
 for browsers, HTML I-5
 <P> tag, HTML A-8, HTML B-6
 ALIGN attribute, HTML B-15
 pull-down menus, HTML D-2, HTML D-10
 push buttons, HTML D-2, HTML D-12–13

Q

quotation marks (“ ”)
 for attributes in XML, HTML N-2
 in scripts, HTML H-6

R

radio buttons, HTML D-2, HTML D-6
 appearing selected, HTML D-7
 labeling, HTML D-9
 Random bars horizontal transition effect, HTML M-17
 Random bars vertical transition effect, HTML M-17
 Random dissolve transition effect, HTML M-17
 Random transition effect, HTML M-17
 ranking XML elements, HTML N-4
 reCount function, HTML K-8
 relative links, HTML A-11
 relative positioning, HTML L-2
 using percentages, HTML L-9
 REL attribute
 in <LINK> tags, HTML J-16
 reload() method, HTML H-9
 rendering
 of XML data in HTML, HTML N-8
 reset button, HTML D-12
 reset() method, HTML H-9
 resolution, HTML G-4, HTML G-6
 resources for Web design, HTML G-12
 reveal transition filter, HTML M-12–13, HTML M-17
 rollover, HTML J-12
 rows, HTML E-2, HTML E-4
 spanning, HTML E-6
 run-time activities
 adding content, HTML K-4–5
 defined, HTML K-2

S

sans serif fonts, HTML B-10
 Save As dialog box, HTML A-6
 scaling, HTML M-6–7
 maintaining proportion in, HTML M-6, HTML M-7
 by percent, HTML M-7
 screen elements. *See* page elements
 screen objects, HTML I-8
 screen resolution
 scaling and, HTML M-6
 scripting, HTML H-1–17
 basics of, HTML H-2–3
 defined, HTML H-1
 language choice, HTML H-3
 scriptlets, HTML H-5
 scripts, HTML D-14. *See also* JavaScript
 adding content at run time, HTML K-4–5
 advantages of, HTML H-2
 animation, HTML M-8–9
 assigning variables, HTML H-14–15
 browser-detection, HTML J-8–9
 changing font color dynamically, HTML J-14–15
 changing text size dynamically, HTML J-12–13
 client-side, HTML I-4
 combining with CSS -P, HTML L-2
 comments in, HTML H-7
 creating, HTML H-4–5
 creating conditionals, HTML H-16–17
 cycling through Web page elements, HTML K-10–11
 debugging, HTML H-4, HTML H-6–7
 defined, HTML H-1, HTML H-2, HTML I-4
 deleting content dynamically, HTML K-6–7
 dragging images, HTML L-16–17
 external, HTML H-5
 functions, HTML H-12–13
 hiding from incompatible browsers, HTML H-4
 JavaScript event handlers, HTML H-10–11
 methods in, HTML H-8–9
 modifying content dynamically, HTML K-8–9
 noncompatible browser hang and, HTML J-9
 paired parentheses, brackets, braces, and quotes
 in, HTML H-6
 properties in, HTML H-8
 replacing graphics dynamically, HTML K-12–13
 scaling content to window size, HTML M-6–7
 server-side, HTML I-4
 slideshows, HTML M-14–15
 sorting tables, HTML K-16–17
 typographical errors in, HTML H-6
 for validating forms, HTML H-4–5
<SCRIPT> tags
 LANGUAGE attribute for, HTML H-4–5
 using, HTML H-3
 scroll() method, HTML H-9
 scroll bars
 creating with CSS-P, HTML L-12–13
 scroll boxes, HTML D-2
 search engines
 keywords, HTML AP-4
 length of time before listing on, HTML AP-4
 submission times, HTML AP-4
 submitting URL to, HTML AP-2, HTML AP-4
 XML and, HTML N-3
 security, HTML D-3
<SELECT>..</SELECT> tag pair, HTML D-10
 MULTIPLE attribute, HTML D-11
 NAME attribute, HTML D-11
 SIZE attribute, HTML D-11

Index

selecting all text, HTML C-10
serif fonts, HTML B-10
server-side scripts, HTML I-4
SGML (Standard Generalized Markup Language),
 HTML AP-7
Shadow filter effect, HTML M-5
sidebars, HTML L-14–15
single-line text box, HTML D-2
sizing
 manually, HTML L-8–9
 using percentages, HTML L-9
skibar.jpg file, HTML F-16
slide() function
 for animation, HTML M-8–9
slideshows, HTML M-14–15
sorting tables dynamically, HTML K-16–17
sound, HTML A-2
source HTML code, HTML A-12
space () code, HTML G-8
spacing
 in scripts, HTML H-6
 tags, HTML J-2, HTML K-8–9
 applying filters with, HTML M-4
spanning rows, HTML E-6
special characters, HTML AP-18–21
Split horizontal in transition effect, HTML M-17
Split horizontal out transition effect, HTML M-17
Split vertical in transition effect, HTML M-17
Split vertical out transition effect, HTML M-17
stacking screen elements, HTML L-10–11
status bar
 displaying text in, with JavaScript event handlers,
 HTML H-10–11
story boarding, HTML A-4
Strips left down transition effect, HTML M-17
Strips left up transition effect, HTML M-17
Strips right down transition effect, HTML M-17
Strips right up transition effect, HTML M-17
.. tag pair, HTML B-8–9
strong text, HTML B-9
structural tags, HTML A-6–7
structures, in XML
 defining, HTML N-4–5
 hierarchy of, HTML N-4–5
 nested, HTML N-2, HTML N-4–5
 universal data structure, HTML N-1
structuring tables, HTML F-12, HTML F-14
structuring tags, HTML A-4
style guides, HTML G-12
STYLE property
 for transitions between pages, HTML M-16
style sheets, HTML G-9
 embedded, HTML J-2, HTML J-4–5
 external, HTML J-2, HTML J-16–17
styles
 assigning with Cascading Style Sheets, HTML I-4
 calling, HTML J-6
 cascading precedence rules, HTML J-2, HTML J-16
 defined, HTML I-4
 dynamic, HTML I-2–3
 embedded, HTML J-2–3
 external, HTML J-2–3
 inline, HTML J-2–3
 linked, HTML J-2
 named, HTML J-6
<STYLE> tags, HTML J-4
 in external style sheets, HTML J-16

submit button, HTML D-12
submit() method, HTML H-9

► T

table of contents
 expanding, HTML I-14–15
tables, HTML A-2, HTML E-1, HTML F-1–2
 aligning contents, HTML E-14
 background color, HTML E-2, HTML E-10
 background image, HTML E-2, HTML E-11
 borders, HTML E-2
 caption, HTML E-4
 cells, HTML E-2
 columns, HTML E-2
 contents, HTML G-14
 creating dynamically with data binding, HTML K-14–15
 creating in XML, HTML N-10–11
 creation of, HTML E-4–5
 data binding, HTML K-2
 dimensions, HTML E-2, HTML E-12
 external, embedding, HTML I-5
 formatting borders, HTML E-8
 headers, HTML E-4, HTML G-14
 modifying backgrounds, HTML E-10
 nested, HTML F-12
 planning, HTML E-2
 positioning elements with, HTML E-2
 rows, HTML E-2, HTML E-4
 sorting dynamically, HTML K-16–17
 spanning columns, HTML E-6
 spanning rows, HTML E-6
 strengths and weaknesses, HTML F-13
 structure, HTML E-2
 structuring, HTML F-12
 Web browsers, HTML E-16

<TABLE>..</TABLE> tag pair, HTML E-4–5
 ALIGN attribute, HTML E-14–15
 BACKGROUND attribute, HTML E-11
 BGCOLOR attribute, HTML E-10
 BORDER attribute, HTML E-8
 CELLPADDING attribute, HTML E-12–13
 CELLSPACING attribute, HTML E-8
 HEIGHT attribute, HTML E-12–13
 WIDTH attribute, HTML E-12–13

<TABLE> tags, HTML K-14, HTML N-10–11
tags, HTML A-2, HTML A-8, HTML AP-9–107
 attributes, HTML A-10
 hand-coding, HTML A-5
 structural, HTML A-6–7
 uppercase and lowercase, HTML A-6–7
 XML syntax rules, HTML N-2–3

target, HTML A-10

<TD> tag, HTML E-4–5
 ALIGN attribute, HTML E-14–15
 BACKGROUND attribute, HTML E-11
 BGCOLOR attribute, HTML E-10
 COLSPAN attribute, HTML E-6–7
 ROWSPAN attribute, HTML E-6–7

templates, HTML F-16

testing
 hyperlinks, HTML A-4
 Web pages, HTML AP-2

text
 aligning, HTML B-2, HTML B-14–15
 bold, HTML B-2, HTML B-8–9
 changing, when user moves pointer over, HTML J-12
 colors, HTML B-13

conciseness, HTML G-16
descriptive headings, HTML G-16
draggable, HTML L-16–17
emphasized, HTML B-9
formatting, HTML A-2, HTML B-1
 tag, HTML C-4
italic, HTML B-2, HTML B-8–9
modifying appearance of, with filters, HTML M-4–5
page-size stand-alone units, HTML G-16
planning formatting, HTML B-2
positioning with float property, HTML L-14–15
selecting all, HTML C-10
short sections, HTML G-16
size, HTML B-13
strong, HTML B-9
style sheets, HTML G-9
underlined, HTML B-2, HTML B-9
width of, specifying manually, HTML L-8–9

text editors, HTML A-5–6
text entry fields, HTML D-4

text format, HTML A-5
text images, HTML C-4

<TH> tag, HTML E-4–5
 ALIGN attribute, HTML E-14–15
 BACKGROUND attribute, HTML E-11
 BGCOLOR attribute, HTML E-10
 COLSPAN attribute, HTML E-6–7
 ROWSPAN attribute, HTML E-6–7
 VALIGN attribute, HTML E-14–15

third generation Web browsers, HTML I-10

3-D animation, HTML M-10–11

tiling, HTML C-12

<TITLE>..</TITLE> tag pair, HTML A-7, HTML AP-4

toggle, HTML D-8

ToolTips, HTML K-9

top property
 animation effects using, HTML M-10
 specifying element position with, HTML L-4–5

tours-c.htm file, HTML C-8

transitions, HTML M-12–13. *See also filters*
 defined, HTML M-2
 between pages, HTML M-16–17

travel.gif file, HTML E-4

<TR> tag
 ALIGN attribute, HTML E-14–15
 BGCOLOR attribute, HTML E-10

tree-like hierarchical structure
 in XML, HTML N-4–5

.txt file extension, HTML A-6

► U

.. tag pair, HTML B-6–7

underlined text, HTML B-2, HTML B-9

uniform resource locators (URLs). *See URLs*

universal data structure, HTML N-1

unordered lists, HTML B-2, HTML B-6

updating Web sites, HTML G-4, HTML G-18

URLs (uniform resource locators), HTML A-2,
 HTML AP-2, HTML AP-4

user input
 in forms, clearing with function, HTML H-12–13
 incorporated into Web pages, using variables,
 HTML H-14–15

users, HTML G-4
 with disabilities, HTML G-14
 privacy, HTML D-3

<U>..</U> tag pair, HTML B-9

►V

values

- assigning to variables, HTML H-14–15
- defined, HTML H-14

var command, HTML H-14

variables

- assigning, HTML H-14–15
- defined, HTML H-14
- manipulating, HTML H-15

verify function, HTML H-16–17

Vertical blinds transition effect, HTML M-17

vertical navigation bar, HTML E-4

video, HTML A-2

video clips, HTML C-14

video files, HTML C-14–15

vocabularies

- in XML, HTML N-3

►W

W3C (World Wide Web Consortium), HTML G-6

Wave filter effect, HTML M-5

Web browsers. *See also* Microsoft Internet Explorer;

Netscape Navigator

- adjusting elements to window size, HTML M-6–7
- CSS (Cascading Style Sheets), HTML F-3
- detection of, HTML J-8–9
- displaying XML data in, HTML N-12–13
- error suppression for, HTML K-17
- fourth generation, HTML I-10
- hanging, HTML I-10
- HTML (Hypertext Markup Language), HTML G-6
- ignoring embedded style sheets, HTML J-4
- interpretation of embedded style sheets, HTML J-4
- previewing Web pages, HTML A-4, HTML A-8
- printing HTML pages, HTML A-12
- proprietary features, HTML I-5
- script-incompatible, hiding scripts from, HTML H-4
- style sheets, HTML G-9
- submitting form information, HTML D-14
- tables, HTML E-16
- third generation, HTML I-10
- variability of, HTML I-10–11
- Web pages, HTML G-4

Webcasting, HTML C-14

Web design articles, HTML G-12

Web dialog boxes. *See* dialog boxesWeb page design. *See* DHTML page design; Web pages; Web sitesWeb page elements. *See* page elements

Web pages, HTML A-2

- accessibility, HTML G-14
- alternate text, HTML C-6–7
- background color, HTML C-13
- background images, HTML C-12
- comments, HTML D-4
- common HTML tasks, HTML AP-8
- compatibility with Web servers, HTML AP-2
- content legibility, HTML G-2
- contents, HTML A-7
- CSS (Cascading Style Sheets), HTML F-3
- design principles, HTML G-2
- editing, HTML A-8
- elements, HTML A-4
- familiar layout, HTML G-18
- formatting guidelines, HTML B-3
- formatting text, HTML A-2, HTML B-1

frames, HTML F-2
 frameset, HTML F-6
 graphics, HTML A-2
 grids, HTML F-2
 handheld devices, HTML G-7
 headings, HTML A-8–9
 hyperlinks, HTML A-2, HTML A-10–11
 inserting graphics, HTML C-4
 keywords, HTML AP-4
 layout tools, HTML F-2
 linear format, HTML F-2
 linking to external style sheet, HTML J-16–17
 lists, HTML A-2
 logically organizing contents, HTML G-14
 minimizing download time, HTML C-3, HTML G-18
 navigating, HTML A-10
 navigation bar, HTML F-4–5
 positioning elements, HTML E-16–17
 previewing, HTML A-4, HTML A-8
 prioritizing, HTML AP-4
 putting on Web, HTML AP-2
 short sections of text, HTML G-16
 sound, HTML A-2
 structuring tables, HTML F-12
 style guides, HTML G-12
 style matching message, HTML G-2
 tables, HTML A-2, HTML F-2
 target, HTML A-10
 templates, HTML F-16
 testing, HTML AP-2
 testing hyperlinks, HTML A-4
 two-tones background, HTML F-14
 users with disabilities, HTML G-14
 video, HTML A-2
 Web browsers, HTML G-4
 Web-specific design issues, HTML G-4
 white space, HTML G-2
 width and height, HTML G-4
 writing guidelines, HTML G-16

Web servers, HTML AP-2
 Web sites, HTML A-10

- absolute links, HTML A-11
- accessible content, HTML G-4
- addresses, HTML A-2
- copying design from, HTML G-12
- cross-platform issues, HTML G-6
- free space on, HTML AP-2
- high priority, HTML AP-4
- increasing traffic, HTML AP-4
- keywords, HTML AP-4
- navigating, HTML F-2
- navigation bar, HTML F-2
- new technology, HTML G-18
- obvious content, HTML G-4
- relative links, HTML A-11
- style guides, HTML G-12
- submitting URL to search engines, HTML AP-4
- testing design, HTML G-18
- unified appearance, HTML F-2
- updating, HTML G-4, HTML G-18
- Web design articles, HTML G-12
- Web users, HTML G-4

WebTV, HTML G-7
 welcome.jpg file, HTML F-16
 well-formed documents

- in XML, HTML N-2

white space, HTML G-2
 width property

- animation effects using, HTML M-10

- in CSS-P, HTML L-8–9

window objects

- methods, HTML H-9

Wipe down transition effect, HTML M-17

Wipe left transition effect, HTML M-17

Wipe right transition effect, HTML M-17

Wipe up transition effect, HTML M-17

WordPad, HTML A-5–6

word processors

- native format, HTML A-5

- Save as HTML command, HTML A-6

- text format, HTML A-5

World Wide Web, HTML AP-2

World Wide Web Consortium (W3C), HTML I-10, HTML J-9

World Wide Web Consortium Web site, HTML AP-9

write() method, HTML H-9

writeln() method, HTML H-9

writing guidelines, HTML G-16

►X

XHTML (Extensible Hypertext Markup Language), HTML AP-6

XML (Extensible Markup Language), HTML AP-7

XML, HTML N-1–17

- benefits of, HTML N-3

- binding XML data to HTML, HTML N-8–9

- case-sensitivity of, HTML N-4

- changing XML data view with HTML, HTML N-16–17

- custom data definitions, HTML N-1

- defined, HTML N-2

- defining elements in, HTML N-4–5

- defining structures in, HTML N-4–5

- displaying XML data with HTML, HTML N-12–13

- Document Type Definitions (DTD) for, HTML N-5

- entering XML data, HTML N-6–7

- formatting XML data with HTML, HTML N-10–11

- HTML vs., HTML N-2

- modifying an XML document, HTML N-14–15

- syntax rules for, HTML N-2–3, HTML N-12–13

- universal data structure, HTML N-1

- uses of, HTML N-2

- well-formed documents in, HTML N-2

XML-compliant browsers

- binding XML data to HTML documents, HTML N-8–9

XML data

- binding to HTML, HTML N-8–9

- displaying in different ways, HTML N-13

- displaying with HTML, HTML N-12–13

- entering, HTML N-6–7

- formatting with HTML, HTML N-10–11

- formatting with XSL, HTML N-11

XML declaration, HTML N-4–5

XML DSO, HTML N-8

.xml extension, HTML N-2

XML parsers, HTML N-8

XML prefix, HTML N-4

XML schemas, HTML N-5

XRay filter effect, HTML M-5

- XSL

- formatting XML data with, HTML N-11

►Z

z-index property, HTML L-10–11